

REC 16-102

Knollwood Energy of MA LLC
P.O. Box 30
Chester, New Jersey 07930

PUC 13JAN15AM11:14

January 8, 2016

Debra A. Howland
Executive Director
New Hampshire Public Utilities Commission
21 South Fruit Street, Suite 10
Concord, NH 03301-2429

Dear Ms Howland,

Enclosed please find applications for 10 systems to be part of the Knollwood Energy of MA LLC (NH-II-13-089) Class II Photovoltaic aggregation for New Hampshire Renewable Energy Certificates (RECs) generated from customer-sited sources, pursuant to New Hampshire Code of Administrative Rules Puc 2506.

Also enclosed are the Simplified Process Interconnection Application and Service Agreement, and the Certificate of Completion.

Electronic versions have been entered into the new online application system under batch number KN0415.

Paul Barker	Bill Haig
Darren Blood	John Hanson
Mike Blichmann	Peter and Elaine Klose
Rod Gagnon	Charlie Lovett
Zachary Gardner	Robert McDonald

Please feel free to contact me with any questions or further instructions.
Thank you for your consideration,

Linda Modica
New England REC Operations Manager
Knollwood Energy of MA LLC
973.879.7826
linda@knollwoodenergy.com

Who is submitting this request?

Aggregator

Aggregator Batch Number

KN0415

Aggregator name

Knollwood Energy

Aggregator Email

linda@knollwoodenergy.com

Other Aggregator name

Other aggregator email address

Facility Owner Name

Zachary Gardner

Owner Prefix

Mr.

Facility Owner email

zguard8@gmail.com

Owner Phone

603-203-6212

Facility Address

17 Harmony Lane

Facility Town/City

Hooksett

Facility State

NH

Facility Zip

03106

Is the facility address the same as the owner's mailing address

- ☒ Yes
☐ No

Mailing Address

Mailing Town/City

Mailing State

Mailing Zip

Primary Contact (who should we call with questions)

Contact Phone

Other Email Address

Facility Information

Class

Utility

Other Utility Name

Date of Utility Signoff

To obtain a GIS ID contact:

James Webb

408 517 2174

jwebb@apx.com

GIS ID (include "NON")

NON57207

Facility Operator Name, if applicable

Panel Quantity

22

Panel Make

LG

Panel Model

X NeON

Panel Rated Output

300

System capacity based on panels

6.6000

Inverter Quantity

1

Inverter Make

Solar Edge

Additional Inverter

Rated Output

6000

System capacity based on inverters

6.00

System capacity in mW as stated on the interconnection agreement

6.0

Revenue Grade Meter Make

Focus

Was this facility installed directly by the customer (no electrician involved)?

- ☐ Yes
☒ No

Date of Electrician Signoff

Sign-off Electrician's License Number

1319M

Installation Company

ReVision Energy

Other Installation Company Name

Other Inst. Company Address

Other Inst. Company City

Other Inst. Company State

Other Inst. Company Zip

Independent Monitor Name

Paul Button

Monitor Company Name

Energy Audits Unlimited

Monitor Company Name

Monitor Company Name

Monitor Company Name

Other Monitor Company Name

Is the installer also the equipment vendor?

- ☒ Yes
☐ No

Equipment Vendor

Please attach your completed interconnection agreement including Exhibit B.

https://fs30.formsite.com/jan1947/files/f-5-99-5830929_tlhFSfq5_Gardner_SPIA.pdf

The project described in this application will meet the metering requirements of PUC 2506 including:

Electricity generation in megawatt hours shall be reported to the GIS quarterly with a statement that the submission is accurate by the owner of the source, the independent monitor or a designated representative.

A revenue quality meter is used to measure the electricity generated.

The facility owner has certified to the independent monitor that the meter operates according to manufacturing standards.

The meter shall be maintained according to the manufacturer's recommendations.

The project is installed and operating in conformance with applicable building codes.

A copy of the facility's interconnection agreement is attached.

Please attach additional document here

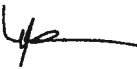
https://fs30.formsite.com/jan1947/files/f-5-168-5830929_f3B6flsc_Gardner_COC.pdf

Please attach additional document here

https://fs30.formsite.com/jan1947/files/f-5-173-5830929_uscEzL4F_Gardner_NHOS.pdf

Aggregator statement of accuracy

Sign your name using a mouse or, if you are using a touch-screen device, a stylus or other pointer.



Print Name

Linda Modica

Date Signed

01/07/2016

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA
Simplified Process Interconnection Application and Service Agreement

RECEIVED

JAN 26 2015

SESD

PSNH Application Project ID#: N 3304

Contact Information:

Legal Name and Address of Interconnecting Customer (or, Company name, if appropriate)

Customer or Company Name (print): Zachary Gardner

Contact Person, if Company: _____

Mailing Address: 17 Harmony Lane

City: Hooksett State: NH Zip Code: 03106

Telephone (Daytime): 603-203-6212 (Evening): _____

Facsimile Number: _____ E-Mail Address: zguard8@gmail.com

Alternative Contact Information (e.g., System installation contractor or coordinating company, if appropriate):

Name: ReVision Energy, LLC contact Sara Bogue

Mailing Address: 7 Commercial Drive

City: Exeter State: NH Zip Code: 03833

Telephone (Daytime): 603-679-1777 (Evening): _____

Facsimile Number: _____ E-Mail Address: sbogue@revisionenergy.com

Electrical Contractor Contact Information (if appropriate):

Name: Same as Alternative Contact

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Facsimile Number: _____ E-Mail Address: _____

Facility Site Information:

Facility (Site) Address: 17 Harmony Lane ✓

City: Hooksett State: NH Zip Code: 03106

Electric

Service Company: PSNH Account Number: 56999756034 ✓ Meter Number: D58356149 (OLD)

Account and Meter Number: Please consult an actual PSNH electric bill and enter the correct Account Number and Meter Number on this application. If the facility is to be installed in a new location, please provide the PSNH Work Request number.

PSNH Work Request # _____

Non-Default Service Customers Only:

Competitive Electric

Energy Supply Company: _____ Account Number: _____

(Customer's with a Competitive Energy Supply Company should verify the Terms & Conditions of their contract with their Energy Supply Company.)

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA

Simplified Process Interconnection Application and Service Agreement

Facility Machine Information:

Generator/ Inverter Manufacturer: SolarEdge ✓ Model Name & Number: SE6000 ✓ Quantity: 1 ✓
Nameplate Rating: 6 ✓ (kW) (kVA) 240 (AC Volts) Phase: Single ☒ Three ☐

Nameplate Rating: The AC Nameplate rating of the individual inverter.

System Design Capacity: 6 ✓ (kW) (kVA) Battery Backup: Yes ☐ No ☒

System Design Capacity: The system total of the inverter AC ratings. If there are multiple inverters installed in the system, this is the sum of the AC nameplate ratings of all inverters.

✓ Net Metering: If Renewably Fueled, will the account be Net Metered? Yes ☒ No ☐

Prime Mover: Photovoltaic ☒ Reciprocating Engine ☐ Fuel Cell ☐ Turbine ☐ Other _____

✓ Energy Source: Solar ☒ Wind ☐ Hydro ☐ Diesel ☐ Natural Gas ☐ Fuel Oil ☐ Other _____

Inverter-based Generating Facilities:

UL 1741 / IEEE 1547.1 Compliant (Refer To Part Puc 906 Compliance Path For Inverter Units, Part Puc 906.01 Inverter Requirements)

✓ Yes ☒ No ☐

The standard UL 1741.1 dated May, 2007 or later, "Inverters, Converters, and Controllers for Use With Independent Power Systems," addresses the electrical interconnection design of various forms of generating equipment. Many manufacturers choose to submit their equipment to a Nationally Recognized Testing Laboratory (NRTL) that verifies compliance with UL 1741.1. This term "Listed" is then marked on the equipment and supporting documentation. *Please include, any documentation provided by the inverter manufacturer describing the inverter's UL 1741/IEEE 1547.1 listing.*

External Manual Disconnect Switch:

An External Manual Disconnect Switch shall be installed in accordance with 'Part Puc 905 Technical Requirements For Interconnections For Facilities, Puc 905.01 Requirements For Disconnect Switches and 905.02 Disconnect Switch.'

✓ Yes ☐ No ☒

Location of External Manual Disconnect Switch: _____

Project Estimated Install Date: April 2015 Project Estimated In-Service Date: April 2015

Interconnecting Customer Signature:

I hereby certify that, to the best of my knowledge, all of the information provided in this application is true and I agree to the **Terms and Conditions for Simplified Process Interconnections** attached hereto:

Customer Signature: Zachary Gardner Title: Homeowner Date: Jan 21, 2015
Zachary Gardner (Jan 21, 2015)

Please include a one-line and/or three-line diagram of proposed installation. Diagram must indicate the generator connection point in relation to the customer service panel and the PSNH meter socket. Applications without such a diagram may be returned.

For PSNH Use Only

Approval to Install Facility:

Installation of the Facility is approved contingent upon the Terms and Conditions For Simplified Process Interconnections of this Agreement, and agreement to any system modifications, if required.

Are system modifications required? Yes ☐ No ☒ To be Determined ☐

Company Signature: Michael Motta Title: SR. Eng. NEER Date: 1-28-15

From: PSNHSESD@eversource.com
Subject: #N3304 Gardner PV (Hooksett) - Authorization to Interconnect
Date: May 20, 2015 at 8:04 AM
To: zguard8@gmail.com
Cc: michael.motta@eversource.com, richard.labrecque@eversource.com, sboogie@revisionenergy.com

Dear Mr. Gardner:

We have processed the Exhibit B - Certificate of Completion for project # N3304 Gardner PV (Hooksett) located at 17 Harmony Lane, Hooksett, NH.

The Certificate of Completion has been reviewed and processed and a new net meter has been installed. Enrollment into the Net Metering program is complete and you may interconnect your project to the Eversource electrical distribution system in accordance with the *New Hampshire Code of Administrative Rules Chapter Puc 900 Net Metering For Customer-Owned Renewable Energy Generation Resources of 1000 Kilowatts or Less*, and the *Terms and Conditions for Simplified Process Interconnections*. Attached for your records is a copy of the "Certificate of Completion" and the "Simplified Process Interconnection Application and Service Agreement."

Please contact at Michael.Motta@eversource.com or by calling (603) 634-2920 should you have any questions or require additional information.

Sincerely,

Michael D. Motta
Senior Engineer, Eversource Distributed Generation

This e-mail, including any files or attachments transmitted with it, is confidential and/or proprietary and is intended for a specific purpose and for use only by the individual or entity to whom it is addressed. Any disclosure, copying or distribution of this e-mail or the taking of any action based on its contents, other than for its intended purpose, is strictly prohibited. If you have received this e-mail in error, please notify the sender immediately and delete it from your system. Any views or opinions expressed in this e-mail are not necessarily those of Northeast Utilities, its subsidiaries and affiliates dba Eversource Energy (Eversource). E-mail transmission cannot be guaranteed to be error-free or secure or free from viruses, and Eversource disclaims all liability for any resulting damage, errors, or omissions.

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA (Continued)

RECEIVED

MAY 18 2015

SESD

Exhibit B - Certificate of Completion for Simplified Process Interconnections

Installation Information:	Check if owner-installed				
Customer or Company Name (print):	Zachary Gardner				
Contact Person, if Company:					
Mailing Address:	17 Harmony Lane				
City:	Hooksett	State:	NH	Zip Code:	03106
Telephone (Daytime):	603-203-6212	(Evening):			
Facsimile Number:		E-Mail Address:	zguard8@gmail.com		
Address of Facility (if different from above):					
City:		State:		Zip Code:	
Generation Vendor:	ReVision Energy, LLC	Contact Person:	William Cook		
I hereby certify that the system hardware is in compliance with Puc 900					
Vendor Signature:	William Cook	Date:			
Electrical Contractor's Name (if appropriate):	ReVision Energy				
Mailing Address:	7 Commercial Drive				
City:	Exeter	State:	NH	Zip Code:	03833
Telephone (Daytime):	603-675-1777	(Evening):			
Facsimile Number:		E-Mail Address:	wcook@revisionenergy.com		
License number:	13139M				
Date of approval to install facility granted by the Company:	1/28/15	Installation Date:			
Application ID number:	N3304				

Inspection

The system has been installed and inspected in compliance with the local Building/Electrical Code of

Hooksett
(City/County)

Signed (Local Electrical Wiring Inspector, or attach signed electrical inspection):



Name (printed): Matthew Lavoie

Date May 13, 2015

Customer Certification

I hereby certify that, to the best of my knowledge, all the information contained in this Interconnection Notice is true and correct. This system has been installed and shall be operated in compliance with applicable electrical standards. Also, the initial start up test required by PUC 705.04 has been successfully completed.

Customer Signature:



Date:

12MAY15



New Hampshire PUC REC Certification Application Owner Statements

The information provided on this application for New Hampshire Renewable Energy Certificate eligibility is accurate to the best of my knowledge and I authorize Knollwood Energy to act on my behalf in filing said application.

The project described in this application will meet the metering requirements of PUC 2506 including:

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The facility owner has certified to the independent monitor that the meter operates according to manufacturing standards.

The meter shall be maintained according to the manufacturer's recommendations.

The project is installed and operating in conformance with applicable building codes.

A copy of the facility's interconnection agreement is attached.

Zachary Gardner

Printed Name of signature owner

Zachary Gardner

Zachary Gardner (Sep 22, 2015)

Signature of system owner